

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

Bob Holden, Governor • Stephen M. Mahfood, Director

DIVISION OF ENVIRONMENTAL QUALITY  
P.O. Box 176 Jefferson City, MO 65102-0176

**REC'D**

**MAY 07 2001**

**APR 24 2001**

**APCO**

The Boeing Company  
P.O. Box 3707 MS 7A-XE  
Seattle, WA 98124-2207

Re: McDonnell Douglas Corporation a wholly-owned subsidiary of The Boeing Company  
St. Louis, MO 63134, St. Louis County  
Permit Number: OP2001031

Dear Sir/Madam:

Enclosed with this letter is your operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program (APCP) at (573) 751-4817, or you may write to the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

*Randy Raymond*

Randy Raymond  
Permit Section Chief

RER:kdk

Enclosures

c: **US EPA Region VII**  
St. Louis Regional Office  
PATs File: 1997-05-003



STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

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DIVISION OF ENVIRONMENTAL QUALITY  
P.O. Box 176 Jefferson City, MO 65102-0176

## **PERMIT TO OPERATE**

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

**Operating Permit Number:** OP2001031

**Expiration Date:** April 13, 2006

**Project Number:** 1997-05-003

**Installation Name and Address**

McDonnell Douglas Corporation a wholly-owned subsidiary of The Boeing Company  
Airport Road and McDonnell Boulevard  
St. Louis, MO 63134  
St. Louis County

**Parent Company's Name and Address**

The Boeing Company  
P.O. Box 3707 MS 7A-XE  
Seattle, WA 98124-2207

**Installation Description:**

McDonnell Douglas Corporation a wholly owned subsidiary of The Boeing Company designs, develops, manufactures, integrates and supports a variety of aerospace and defense products. These include military and commercial aircraft, helicopters, missiles, space launch vehicles and other space systems, and sensing systems.

APR 13 2001

Effective Date

*Boeuf D. Holden*  
Director or Designee  
Department of Natural Resources



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## I. Installation Description and Equipment Listing

McDonnell Douglas Corporation a wholly owned subsidiary of The Boeing Company designs, develops, manufactures, integrates and supports a variety of aerospace and defense products. These include military and commercial aircraft, helicopters, missiles, space launch vehicles and other space systems, and sensing systems.

### **EMISSION UNITS WITH LIMITATIONS**

The following list provides a description of the equipment at this installation which emit air pollutants and which are identified as having unit-specific emission limitations. All the information provided in the table is for informational purposes only. It shall not be construed to create any limits, conditions, or requirements.

what constituents  
is  
source  
major  
for?

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION						MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION
		BLDG	LET1	LET2	NUM1	NUM2	LEVEL				
AS-STL-01	AS-101-01	101	A	B	8	9	1				Vented room (adhesive/sealant application)
AS-STL-01	AS-101-02	101	A	B	8	9	1				Vented room (adhesive/sealant application)
AS-STL-01	AS-101-03	101	A		4		1				Vented hood (adhesives/sealants applications)
AS-STL-01	AS-101-04	101	A		4		1				Two vented hoods (adhesive/sealant applications)
AS-STL-01	AS-STL-01	PW						---	---	---	Plantwide adhesive/sealant usage
BF-STL-02	VS-221-01	221	B		8		1				Vented bench (soldering & solvents)
BF-STL-02	VS-245-01	245	R	T	5		1				Vented solvent storage area
BF-002-03	BF-002-03	2						---	---	---	Handwipe solvent building fugitives in building 2
BF-027-03	BF-027-03	27						---	---	---	Handwipe solvent building fugitives in building 27
BF-029-03	BF-029-03	29						---	---	---	Handwipe solvent building fugitives in building 29 and 29A
BF-048-03	BF-048-03	48						---	---	---	Handwipe solvent building fugitives in building 48
BF-066-03	BF-066-03	66						---	---	---	Handwipe solvent building fugitives in the 60s buildings
BF-101-03	BF-101-03	101						---	---	---	Handwipe solvent building fugitives in building 101
BF-102-03	BF-102-03	102						---	---	---	Handwipe solvent building fugitives in building 102
BF-245-03	BF-245-03	245						---	---	---	Handwipe solvent building fugitives in building 245
BF-STL-01	BF-STL-01	PW						---	---	---	Plantwide Fugitive Painting
BF-STL-02	BF-STL-02	PW						---	---	---	Other miscellaneous plantwide solvent building fugitives
BF-STL-03	BF-STL-03	PW						---	---	---	Handwipe solvent building fugitives in buildings other than buildings with their own point
CC-101-01	CC-101-03	101	D		11		1			1963	Cold cleaner used for tube cleaning
CC-STL-01	CC-101-14	101	A		4		1			1989	Hood venting a drying rack
CC-STL-01	CC-102-01	102	C1		11		1			1977	Cold cleaner for hydraulic equipment

units purchased by GKN  
 to be transferred to their point

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
CC-STL-01	CC-105-01	105				1	Vapo-Kleen	400-1618RFDF (Renovated)	1996	Cold cleaner for electronics only (Moving to 101)				
CC-STL-01	CC-221-01	221	B		8	1			1995	Cold cleaner for electronics only				
CC-STL-01	CC-STL-01A	PW					---	---	---	Plantwide cold cleaners greater than 1 gal and 1 ft <sup>2</sup> surface area				
BF-STL-02	CC-STL-01B	PW					---	---	---	Plantwide spray gun cleaning				
CS-005-01	CS-005-02	5	E49			2	Riley Stoker	P11 #19WW	1984	Coal/natural gas/fuel oil boiler (76.4 MMBTU/hr)				
CS-005-01	CS-005-03	5				2	Riley Stoker	P11 #19WW	1984	Coal/natural gas/fuel oil boiler (76.4 MMBTU/hr)				
CS-005-01	CS-005-04	5				2	Riley Stoker	P11 #19WW	1984	Coal/natural gas/fuel oil boiler (76.4 MMBTU/hr)				
CS-005-05	CS-005-05	5				2	Keeler	BHS-7069 WW HS1431	1967	Natural gas/fuel oil boiler (77.0 MMBTU/hr)				
CS-STL-01	CS-025-01	25				NE	Trane	ODF 9000	1977	Natural gas boiler {8.5 MMBTU/hr}				
CS-048-01	CS-048-01	48	-A		4	2			1998	Natural gas boiler (25.1 MMBTU/hr)				
CS-STL-01	CS-066-01	66	A		2	1			1966	Natural gas boiler {6.3 MMBTU/hr}				
CS-STL-01	CS-066-02	66	A		2	1			1966	Natural gas boiler {6.3 MMBTU/hr}				
CS-STL-01	CS-066-03	66	A		10	1			1966	Natural gas boiler/fuel oil back-up {6.3 MMBTU/hr}				
CS-STL-01	CS-066-04	66	A		10	1			1966	Natural gas boiler/fuel oil back-up {6.3 MMBTU/hr}				
CS-101-01	CS-101-01	101	L		1	1	Combustion Engineering		1962	Natural gas/fuel oil boiler (52.0 MMBTU/hr)				
CS-101-01	CS-101-02	101	L		1	1	Combustion Engineering		1962	Natural gas/fuel oil boiler (52.0 MMBTU/hr)				
CS-101-03	CS-101-03	101	J		3	1	Superior		1957	Natural gas/fuel oil boiler {20.8 MMBTU/hr}				
CS-101-03	CS-101-04	101	J		3	1	Superior		1957	Natural gas/fuel oil boiler {20.8 MMBTU/hr}				
CS-102-01	CS-102-01	102	F	G	17	19	1	Erie City	1805	Natural gas/fuel oil boiler {79.6 MMBTU/hr}				
CS-102-02	CS-102-02	102	E	F	17	19	1	Cleaver Brooks	CB 800 HP	1988	Natural gas/fuel oil boiler (33.476 MMBTU/hr)			
CS-102-02	CS-102-03	102	E	F	17	19	1	Superior		1957	Natural gas/fuel oil boiler {25.2 MMBTU/hr}			

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
CS-110-01	CS-110-01	110					Basemen t	Cleaver Brooks	CB-250	1979	Natural gas boiler/fuel oil back-up (10.461 MMBTU/hr)			
CS-110-01	CS-110-02	110					Basemen t	Cleaver Brooks	CB-250	1979	Natural gas boiler/fuel oil back-up (10.461 MMBTU/hr)			
CS-111-01	CS-111-01	111	O		4		1	Superior	4-5-2506-LGP	1984	Natural gas boiler/fuel oil back-up (16.8 MMBTU/hr)			
CS-111-01	CS-111-02	111	O		4		1	Superior	4-5-2506-LGP	1984	Natural gas boiler/fuel oil back-up (16.8 MMBTU/hr)			
CS-STL-01	CS-111-03	111	O		4		1	Superior	4-5-751-S15-GP	1984	Natural gas boiler/fuel oil back-up (6.3 MMBTU/hr)			
CS-STL-01	CS-221-01	221	D	E	3	4	1	Power Master	4020944	1953	Natural gas boiler (3.3475 MMBTU/hr)			
CS-STL-01	CS-221-02	221	D	E	3	4	1	Power Master	4020944	1953	Natural gas boiler (3.3475 MMBTU/hr)			
CS-STL-01	CS-STL-01A	PW						---	---	---	Plantwide combustion (indirect natural gas)			
CS-STL-01	CS-STL-01C	PW						---	---	---	Plantwide combustion (propane)			
NONE	DP-STL-01	PW						---	---	---	Plantwide mechanical depainting			
PT-101-04	DT-101-01	101	R		30		1			1994	Dip tank used for developing (stoddard solvent)			
NONE	EG-002-01	2	ABB		45		1				Diesel emergency generator			
NONE	EG-002-02	2				E		Kohler			Diesel emergency generator (in shed)			
NONE	EG-009-01	9				N				1996	Diesel emergency generator			
NONE	EG-009-02	9				E					Diesel emergency generator (for pump)			
NONE	EG-020-01	20				1					Diesel emergency generator			
NONE	EG-026-01	26				1					Diesel emergency generator (for fire pump)			
NONE	EG-029-01	29	F		1	2	1				Natural gas emergency generator			
NONE	EG-029A-02	29A	M		17		2				Natural gas emergency generator (200HP)			
NONE	EG-033-01	33	B		10		1	Kohler	150ROZJ81		Diesel emergency generator			
NONE	EG-034-01	34	S		22		1	Caterpillar	D318		Diesel emergency generator			
NONE	EG-045-01	45	L		10		1				Diesel emergency generator			
NONE	EG-056-01	56					1				Diesel emergency generator (50 HP)			
NONE	EG-064-01	64	N		6		2				Natural gas emergency generator (250 HP @ 1800 RPM)			
NONE	EG-066-01	66	D		2		1				Natural gas emergency generator (250 HP)			

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
NONE	EG-066-02	66				S				Diesel emergency generator (for fire pump)				
NONE	EG-067-01	67				W				Diesel emergency generator				
NONE	EG-101-01	101	J		3	1				Diesel emergency generator				
NONE	EG-101A-01	101A	F		1	1				Natural gas emergency generator				
NONE	EG-102-01	102	F	G	17	19	1			Diesel emergency generator				
NONE	EG-103-01	103	B		7	1				Diesel emergency generator				
NONE	EG-106-01	106	B		5	1				Diesel emergency generator				
NONE	EG-107-01	107	B		6	1				Diesel emergency generator				
NONE	EG-110-01	110				Base.				Natural gas emergency generator				
NONE	EG-111-01	111	I		3	1				Diesel emergency generator				
NONE	EG-122-01	122				1				Diesel emergency generator				
NONE	EG-220-01	220	BB		18	1	Kohler	150ROZJ81		Diesel emergency generator				
NONE	EG-HQ-01	100	A		11	1				Diesel emergency generator				
NONE	GB-027-02	27	Q	U	17	21	1	Vacu-Blast	1968	Walk-in grit blaster				
NONE	HW-STL-01	PW					---	---	---	Plantwide handling of hazardous waste				
NONE	IT-027-01T	27	FF	GG	30	34	1			Immersion tank 1 in the titanium line				
PT-027-06	IT-027-02A	27	DD	FF	30	34	1		1973	Immersion tank 2 in the aluminum line				
PT-027-08A	IT-027-02P	27	V	Z	32	34	1			Immersion tank 2 in the plating line				
NONE	IT-027-02T	27	FF	GG	30	34	1			Immersion tank 2 in the titanium line				
PT-027-08A	IT-027-03P	27	V	Z	32	34	1			Immersion tank 3 in the plating line				
PT-027-08A	IT-027-04P	27	V	Z	32	34	1			Immersion tank 4 in the plating line				
NONE	IT-027-05T	27	FF	GG	30	34	1			Immersion tank 5 in the titanium line				
PT-027-12	IT-027-06A	27	DD	FF	30	34	1			Immersion tank 6 in the aluminum line				
PT-027-02	IT-027-06T	27	FF	GG	30	34	1			Immersion tank 6 in the titanium line				
NONE	IT-027-07T	27	FF	GG	30	34	1			Immersion tank 7 in the titanium line				
PT-027-05	IT-027-08A	27	DD	FF	30	34	1		1961	Immersion tank 8 in the aluminum line				
PT-027-01	IT-027-08T	27	FF	GG	30	34	1			Immersion tank 8 in the titanium line				
PT-027-09A	IT-027-09P	27	V	Z	32	34	1			Immersion tank 9 in the plating line				
PT-027-01	IT-027-09T	27	FF	GG	30	34	1			Immersion tank 9 in the titanium line				
PT-027-08B	IT-027-10P	27	V	Z	32	34	1			Immersion tank 10 in the plating line				
PT-027-05	IT-027-11A	27	DD	FF	30	34	1		1961	Immersion tank 11 in the aluminum line				
NONE	IT-027-11T	27	FF	GG	30	34	1			Immersion tank 11 in the titanium line				
PT-027-03	IT-027-12A	27	DD	FF	30	34	1		1969	Immersion tank 12 in the aluminum line				
PT-027-08B	IT-027-12P	27	V	Z	32	34	1			Immersion tank 12 in the plating line				

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
PT-027-03	IT-027-13A	27	DD	FF	30	34	1		1969	Immersion tank 13 in the aluminum line				
NONE	IT-027-17P	27	V	Z	32	34	1			Immersion tank 17 in the plating line				
PT-027-08B	IT-027-22P	27	V	Z	32	34	1			Immersion tank 22 in the plating line				
NONE	IT-027-24P	27	V	Z	32	34	1			Immersion tank 24 in the plating line				
PT-027-08B	IT-027-27P	27	V	Z	32	34	1			Immersion tank 27A in the plating line				
PT-027-10	IT-027-28P	27	V	Z	32	34	1			Immersion tank 28 in the plating line				
NONE	IT-027-30P	27	V	Z	32	34	1			Immersion tank 30 in the plating line				
NONE	IT-027-32P	27	V	Z	32	34	1			Immersion tank 32 in the plating line				
PT-027-10	IT-027-33P	27	V	Z	32	34	1			Immersion tank 33 in the plating line				
PT-027-10	IT-027-34P	27	V	Z	32	34	1			Immersion tank 34 in the plating line				
PT-027-10	IT-027-35P	27	V	Z	32	34	1			Immersion tank 35 in the plating line				
NONE	IT-027-36P	27	V	Z	32	34	1			Immersion tank 36 in the plating line				
NONE	IT-027-37P	27	V	Z	32	34	1			Immersion tank 37 in the plating line				
PT-027-10	IT-027-38P	27	V	Z	32	34	1			Immersion tank 38 in the plating line				
NONE	IT-027-43P	27	V	Z	32	34	1			Immersion tank 43 in the plating line				
NONE	IT-027-44P	27	V	Z	32	34	1			Immersion tank 44 in the plating line				
NONE	IT-027-46P	27	V	Z	32	34	1			Immersion tank 46 in the plating line				
NONE	IT-027-47P	27	V	Z	32	34	1			Immersion tank 47 in the plating line				
PT-027-09B	IT-027-49P	27	V	Z	32	34	1			Immersion tank 49 in the plating line				
NONE	IT-027-50P	27	V	Z	32	34	1			Immersion tank 50 in the plating line				
NONE	IT-027-EA	27	DD	FF	30	34	1			Immersion tank E in the aluminum line				
NONE	IT-027-GA	27	DD	FF	30	34	1			Immersion tank G in the aluminum line				
NONE	IT-027-HA	27	DD	FF	30	34	1			Immersion tank H in the aluminum line				
NONE	IT-027-JA	27	DD	FF	30	34	1		1979	Immersion tank J in the aluminum line				
NONE	IT-027-KA	27	DD	FF	30	34	1		1979	Immersion tank K in the aluminum line				
PT-027-07	IT-027-MA	27	DD	FF	30	34	1		1969	Immersion tank M in the aluminum line				
PT-029A-01	IT-029A-02	29A	B	C	12		1		1997	Immersion tank 2 in the tank line				
PT-029A-01	IT-029A-03	29A	B	C	12		1		1997	Immersion tank 3 in the tank line				
PT-029A-01	IT-029A-04	29A	B	C	12		1		1997	Immersion tank 4 in the tank line				
PT-029A-01	IT-029A-05	29A	B	C	12		1		1997	Immersion tank 5 in the tank line				
PT-029A-01	IT-029A-06	29A	B	C	12		1		1997	Immersion tank 6 in the tank line				
PT-029A-01	IT-029A-10	29A	B	C	12		1		1997	Immersion tank 10 in the tank line				
PT-029A-01	IT-029A-11	29A	B	C	12		1		1997	Immersion tank 11 in the tank line				
PT-029A-01	IT-029A-14	29A	B	C	12		1		1997	Immersion tank 14 in the tank line				
PT-029A-01	IT-029A-15	29A	B	C	12		1		1997	Immersion tank 15 in the tank line				

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
PT-029A-01	IT-029A-16	29A	B	C	12		1		1997	Immersion tank 16 in the tank line				
PT-029A-01	IT-029A-17	29A	B	C	12		1		1997	Immersion tank 17 in the tank line				
PT-029A-01	IT-029A-18	29A	B	C	12		1		1997	Immersion tank 18 in the tank line				
NONE	IT-051-01A	52	A	B	4	5	1		1963	Immersion tank 1 in the aluminum line				
NONE	IT-051-01T	52	A	B	6		1		1963	Immersion tank 1 in the titanium line				
NONE	IT-051-02T	52	A	B	6		1		1963	Immersion tank 2 in the titanium line				
PT-051-02	IT-051-03T	52	A	B	6		1		1963	Immersion tank 3 in the titanium line				
NONE	IT-051-04A	52	A	B	4	5	1		1963	Immersion tank 4 in the aluminum line				
NONE	IT-051-04T	52	A	B	6		1		1963	Immersion tank 4 in the titanium line				
PT-051-02	IT-051-05T	52	A	B	6		1		1963	Immersion tank 5 in the titanium line				
NONE	IT-051-06A	52	A	B	4	5	1		1963	Immersion tank 6 in the aluminum line				
PT-101-04	IT-101-01N	101	R		30		1		1994	Immersion tank (Desmut) in the nameplate line				
PT-101-04	IT-101-02N	101	R		30		1		1994	Immersion tank (Strip) in the nameplate line				
PT-101-04	IT-101-03N	101	R		30		1		1994	Immersion tank (Water) in the nameplate line				
PT-101-04	IT-101-04N	101	R		30		1		1994	Immersion tanks (hand tanks) in the nameplate line				
PT-101-01	IT-101-05A	101	A	B	30	36	1		1984	Immersion tank 5 in the aluminum line				
PT-101-02	IT-101-06A	101	A	B	30	36	1		1984	Immersion tank 6 in the aluminum line				
PT-101-03	IT-101-07A	101	A	B	30	36	1		1984	Immersion tank 7 in the aluminum line				
CL-048-01	MB-048-01	48	A	G	5	6	1		1986	Vented paint mixing hoods (2)				
CL-063-01	MB-063-01	63	F		3		1		1986	Vented paint mixing rooms (2)				
MC-STL-01	MC-STL-01	PW								Plantwide chemical depainting				
ML-051-01	ML-051-01	51	A	C	7	15	1		1997	Large waterbased maskant line				
NONE	ML-051-02	51	A		6	8	1			Small waterbased maskant line				
MO-029-A	MO-029-01	29	I		1		1		1981	Lead melting furnace				
MO-029-A	MO-029-02	29	I		1		1		1986	Lead melting furnace				
NONE	MS-027-04	27					Shelter			Hazardous waste shelter				
MS-027-06	MS-027-06	27	C		34		BASE MENT		1997	Cutting fluid concentrator				
DB-027-01	PI-027-01	27	BB		23	25	1		1976	Penetrant inspection booth				
DB-027-01	PI-027-02	27	BB		23	25	1		1976	Penetrant inspection booth				
CL-002-01	SB-002-01	2	B		5		2		1990	Large spray booth (production parts)				
AS-STL-01	SB-002-04	2	A		26		2			Booth for various activities (adhesive/sealants)				

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EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
CL-002-02	SB-002-06	2	F		22		2	DeVilbiss	SDF6240	1980	Spray booth (maintenance) (sanding)			
CL-022-01	SB-022-01	22	C		7		1	Binks	DTSP-4373	1958	Spray booth (vehicle maintenance)			
CL-027-01	SB-027-01	27	Z	DD	30	34	1	DeVilbiss		1945	Paint booth (mostly production) (some sanding)			
CL-027-01	SB-027-02	27	Z	DD	30	34	1	DeVilbiss		1943	Paint booth (mostly production) (some sanding)			
CL-027-01	SB-027-03	27	Z	DD	30	34	1	DeVilbiss		1943	Paint booth (mostly production) (some sanding)			
CL-027-01	SB-027-04	27	Z	DD	30	34	1	DeVilbiss		1943	Paint booth (mostly production) (some sanding)			
CL-027-01	SB-027-05	27	Z	DD	30	34	1	DeVilbiss		1943	Paint booth (mostly production) (some sanding)			
CL-029-01	SB-029-01	29A	A	D	11		1	DeVilbiss		1997	Adhesive bonding coating line			
CL-029-02	SB-029A-02	29A	A	B	18	19	1			1997	Spray booth (mostly QA/QC) (possible production)			
CL-048-01	SB-048-01	48	A	G	1	10	1	DeVilbiss		1967	Paint booth (aerospace production)			
CL-048-01	SB-048-02	48	A	G	1	10	1	DeVilbiss		1967	Paint booth (aerospace production)			
CL-048-01	SB-048-03	48	A	G	1	10	1	DeVilbiss		1967	Paint booth (aerospace production)			
CL-048-01	SB-048-04	48	A	G	1	10	1	DeVilbiss		1967	Paint booth (aerospace production)			
CL-048-01	SB-048-05	48	A	G	1	10	1			1997	Paint booth (aerospace production)			
CL-048-01	SB-048-06	48	A	G	1	10	1			1997	Paint booth (aerospace production)			
ML-051-01	SB-051-01	51	A		7		1			1997	Maskant spray booth			
CL-060-01	SB-060-01	60	T		9		1			1990	Spray booth (cans of primer)(research and development)			
CL-063-01	SB-063-01	63	F		2		1			1986	Spray booth (paint & others)(aerospace production)			
CL-066-01	SB-066-01	66	H		7		1			1984	Spray booth (aerospace production) (painting and sanding)			
CL-066-01	SB-066-02	66	J		10		1			1984	Spray Booth (research and development)			
CL-101-02	SB-101-02	101	G		1		1			1990	Spray booth (aerospace production) (painting and sanding)			
CL-101-03	SB-101-04	101D	Rm 105				1	DeVilbiss		1994	Spray booth (research and development)			
CL-101-03	SB-101-06	101D	Rm 101				1			1986	Spray booth (mock-up & tooling) (could be used for production)			
NONE	SB-101-10	101D	Rm 205				2	Metco		1988	Spray Booth (Plasma spray coater) (research and development)			

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
CL-101-01	SB-101-25	101	A		25	29	1	DeVilbiss		1963	Spray booth (aerospace production) (painting and sanding)			
CL-101-01	SB-101-26	101	A		25	29	1	DeVilbiss		1963	Spray booth (aerospace production) (painting and sanding)			
CL-101-01	SB-101-27	101	A		25	29	1	DeVilbiss		1963	Spray booth (aerospace production) (painting and sanding)			
AS-STL-01	SB-101-29	101	Q		54		1			1988	Spray booth (sealants and adhesives)			
CL-101-01	SB-101-30	101	A		25	29	1	DeVilbiss		1963	Spray booth (aerospace production) (painting and sanding)			
CL-101-02	SB-101-33	101	G		1		1	Binks		1961	Spray booth (aerospace production) (painting and sanding)			
NONE	SB-101-34	101	B		18		1				Spray Booth (Arc Spray)			
CL-101-03	SB-101-35	101D	Rm 216				1			1986	Spray booth (robotic & hand applied) (research and development) (could be used for production)			
CL-101-01	SB-101-39	101	A		25	29	1	DeVilbiss	SL-1360	1964	Spray booth (aerospace production) (painting and sanding)			
CL-101-02	SB-101-40	101	F		1		1	DeVilbiss		1961	Spray booth (aerospace production) (painting and sanding)			
CL-101-02	SB-101-40A	101	F		1		1	DeVilbiss		1961	Spray booth (aerospace production) (painting and sanding)			
CL-101-03	SB-101-41	101D	Rm 111				1	Binks		1987	Spray booth (research and development) (could be used for production)			
CL-101-03	SB-101-43	101D	Rm 208				2			1986	Spray booth (robotic & hand applied) (research and development)			
CL-101-01	SB-101-44	101	R		30		1	Binks		1994	Spray booth (developers: ex: KPR Resist) (not primer or topcoat)			
CL-101-03	SB-101-45	101	P1		30	33	1			1996	Robotic Sprayer (research and development)			
CL-102-01	SB-102-01	102	H		15		3	Binks		1983	Bench spray booth (research & development)			
AS-STL-01	SB-102-02	102	H		13	15	3	Binks		1983	Bench spray booth (lab) (epoxy spray) (research and development)			
CL-102-01	SB-102-03	102	C		16		1	DeVilbiss	XDF 6224	1984	Paint booth (aerospace)(mostly research and development) (some aerospace production)			
CL-245-02	SB-245-02	245	C		29		1			1989	Paint booth (maintenance)			

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN- STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
CL-248-01	SB-248-01	248	Rm 134			1			1990	Paint booth (mock-up)(research and development)				
SP-005-01	SP-005-01	5				E	---	---	---	Coal storage pile				
NONE	ST-005-20	5				E				Fuel oil # 2 UST (20,000 gal)				
NONE	ST-005-21	5				E				Fuel oil # 2 UST (20,000 gal)				
ST-STL-01	ST-022-22	22				E				Gasoline UST (8,000 gal)				
ST-STL-01	ST-022-25	22				E				Gasoline UST (10,000 gal)				
ST-STL-01	ST-041-20	41				W				Gasoline UST (8,000 gal)				
NONE	ST-041-21	41				W				Jet fuel UST #1 (30,000 gal) A-41				
NONE	ST-041-22	41				W				Jet fuel UST #2 (30,000 gal) B-41				
NONE	ST-041-23	41				W				Jet fuel UST #3 (30,000 gal) C-41				
NONE	ST-041-24	41				W				Jet fuel UST #4 (30,000 gal) D-41				
ST-STL-01	ST-066-02	66				SE				Gasoline storage tank (~560 gal)				
NONE	ST-102-21	102				E				Fuel oil #2 UST (20,000 gal)				
ST-STL-01	ST-102B-01	102B				E				Gasoline storage tank (298 gal)				
NONE	ST-110-20	110				SE				Fuel oil #2 UST (15,000 gal)				
NONE	ST-111-01	111				N				Fuel oil #2 underground storage tank (12,000 gal)				
ST-120-01	ST-120-01	120				S				Vertical fuel oil #2 (107,000 gal)				
ST-120-02	ST-120-02	120				S				Vertical fuel oil #2 (50,000 gal)				
ST-STL-01	ST-121-01	121				NW				Gasoline tank (550 gal)				
ST-STL-01	ST-220-01	220				W				Gasoline tank (~300 gal)				
ST-STL-01	ST-245-02	245				SE				Gasoline tank (301 gal)				
VD-027-01	VD-027-01	27	U	30		1			1998	Vapor degreaser (trichloroethylene)				
VD-029-01	VD-029-01	29A	B	12		1	Baron-Blakeslee		1997	Vapor degreaser (trichloroethylene)				
VD-042-01	VD-042-01	42	D	E	7	4			1982	Vapor degreaser (Vertrel SMT) PHILLIPS				
VD-101-01	VD-101-01	101	D	E	6	17			1982	Vapor degreaser (trichloroethylene)				
VD-101-02	VD-101D-04	101D	Rm 205			2			1995	Vapor degreaser (trichloroethylene)				
VD-102-01	VD-102-01	102	A	13	15	1			1982	Vapor degreaser (trichloroethylene)				

### **EMISSION UNITS WITHOUT LIMITATIONS**

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance. All of the information provided in the table is for informational purposes only. It shall not be construed to create any limits, conditions or requirements.

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION						MANUFACTURER	MODEL NUMBER	YEAR IN STALLED	DESCRIPTION		
		BLDG	COLUMN				LEVEL						
			LET1	LET2	NUM1	NUM2							
CC-STL-01	CC-245-04	245	C		29		1				Solvent bath used for cleaning paint brushes		
CC-STL-01	CC-STL-01C	PW						---	---	---	Plantwide cleaning units less than 1 gal or 1 ft <sup>2</sup> surface area		
CS-027-01	CS-027-01	27	Z	DD	30	34	1				Natural gas Make-Up air heater {12.2 MMBTU/hr}		
CS-027-01	CS-027-02	27	Z	DD	30	34	1				Natural gas Make-Up air heater {12.2 MMBTU/hr}		
CS-027-01	CS-027-03	27	Z	DD	30	34	1				Natural gas Make-Up air heater {12.2 MMBTU/hr}		
CS-027-01	CS-027-04	27	Z	DD	30	34	1				Natural gas Make-Up air heater {12.2 MMBTU/hr}		
CS-027-01	CS-027-05	27	Z	DD	30	34	1				Natural gas Make-Up air heater {12.2 MMBTU/hr}		
CS-027-01	CS-027-06	27	Z	DD	30	34	1				Natural gas Make-Up air heater {12.2 MMBTU/hr}		
CS-STL-01	CS-STL-01B	PW						---	---	---	Plantwide combustion (direct natural gas)		
CT-STL-01	CT-STL-01A	PW						---	---	---	Plantwide forced draft cooling towers		
CT-STL-01	CT-STL-01B	PW						---	---	---	Plantwide spray ponds		
CU-STL-01	CU-STL-01A	PW						---	---	---	Plantwide composite emissions		
FA-005-01	FA-005-01	5					N				Fly Ash Collection System		
NONE	IT-027-01A	27	DD	FF	30	34	1				Immersion tank 1 in the aluminum line		
PT-027-04	IT-027-04A	27	DD	FF	30	34	1				Immersion tank 4 in the aluminum line		
NONE	IT-027-14P	27	V	Z	32	34	1				Immersion tank 14 in the plating line		
NONE	IT-027-15P	27	V	Z	32	34	1				Immersion tank 15 in the plating line		
PT-027-11	IT-027-18A	27	DD	FF	30	34	1				Immersion tank 18 in the aluminum line		
NONE	IT-027-20A	27	DD	FF	30	34	1				Immersion tank 20 in the aluminum line		
NONE	IT-027-40P	27	V	Z	32	34	1				Immersion tank 40 in the plating line		

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN STALLED	DESCRIPTION		
		BLDG	COLUMN			LEVEL						
			LET1	LET2	NUM1	NUM2						
NONE	IT-027-51P	27	V	Z	32	34	1			Immersion tank 51 in the plating line		
PT-051-01	IT-051-03A	52	A	B	4	5	1			Immersion tank 3 in the aluminum line		
NONE	IT-101-01A	101	A	B	30	36	1			Immersion tank 1 in the aluminum line		
PT-101-04	IT-101-01P	101	R		36		1			Immersion tank (1) in the passivate line		
PT-101-04	IT-101-02P	101	R		36		1			Immersion tank (2) in the passivate line		
PT-101-04	IT-101-04P	101	R		36		1			Immersion tank (4) in the passivate line		
PT-101-04	IT-101-07P	101	R		36		1			Immersion tank (7) in the passivate line		
NONE	IT-101-A1A	101	A	B	30	36	1			Immersion tank A1 in the aluminum line		
NONE	IT-101-A2A	101	A	B	30	36	1			Immersion tank A2 in the aluminum line		
NONE	IT-101-AA	101	A	B	30	36	1			Immersion tank A in the aluminum line		
PT-101-03	IT-101-HA	101	A	B	30	36	1			Immersion tank H in the aluminum line		
NONE	LH-STL-01	PW					---	---	---	Plantwide lab hoods		
NONE	LS-102-01	102	F		5	8	1			HF/DF laser used for testing		
CL-002-01	MB-002-01	2	B		1		2			Vented paint mixing room		
CL-002-02	MB-002-02	2	F	G	23		2			Vented paint mixing room		
CL-101-03	MB-101-01	101	P	Q	30	33	1			Vented hood for paint mixing		
CL-101-03	MB-101-02	101	P2		30		1			Vented paint mixing hood		
CL-101-01	MB-120-01	120	S Wall				1			Vented chemical mixing/dispensing room		
CL-245-02	MB-245-01	245	C		29		1			Vented paint mixing room		
MP-STL-01	MP-STL-01	PW					---	---	---	Plantwide maintenance painting		
CU-STL-01	MS-029A-04	029A	H		17		1			Fiber placement machine for composites		
NONE	MS-111-02	111	H/7	M	3	7	1			Scrubbers (3) to control lab equipment		
NONE	MS-STL-01	PW					---	---	---	Plantwide hand held equipment (such as sanders, drills, riveters, ...)		
NONE	MT-245-02	245	F		9		1			Tank containing concentrated cutting fluid		
NONE	MT-245-03	245	F		9		1			Cutting fluid mix tank		
HT-245-01	OV-245-04	245	R	N	23	24	1			Electric austenizing furnace (Endothermic gas atmosphere)		
HT-245-01	OV-245-05	245	R	N	23	24	1			Electric austenizing furnace (Endothermic gas atmosphere)		
HT-245-01	OV-245-06	245	R		24		1			Endothermic gas generator		
Various	OV-STL-01	PW					---	---	---	Plantwide electric curing ovens		
Various	OV-STL-02	PW					---	---	---	Plantwide electric burn-off ovens		
NONE	PE-STL-01	PW					---	---	---	Plantwide particulate emitting sources not specifically listed		

EIQ POINT NO.	EMISSION UNIT NO.	LOCATION					MANUFACTURER	MODEL NUMBER	YEAR IN STALLED	DESCRIPTION				
		BLDG	COLUMN			LEVEL								
			LET1	LET2	NUM1	NUM2								
NONE	PT-101-06	101	U		54		1			Process tank line (small line)				
NONE	PT-101D-05	101D	Rm 212	Rm 214	Rm 216		2			Process tank line (R&D)				
NONE	PT-102-01	102	A		13		1			Process tank line (small line)				
NONE	PT-102-02	102	H		13	15	3			Process tank line (R&D/ QA/QC)				
NONE	PT-248-01	248	A	K	3	7	1			Process tank lines (R&D)				
RF-STL-01	RF-STL-01	PW						---	---	Plantwide gasoline refueling				
RF-STL-02	RF-STL-02	PW						---	---	Plantwide aircraft refueling				
NONE	SB-002-02	2	FFG	G	23	25	1			Booth for fan maintenance (cleaning not painting)				
CL-002-02	SB-002-03	2	F		23		2			Bench Spray booth (aerosol cans)				
MP-STL-01	SB-002-05	2	AAB		36		1			Spray booth (maintenance) (aerosol cans)				
BF-STL-02	SB-042-01	42	D	E	7	8	4			Vented hood (Electronics coatings) (brushed or dipped not sprayed)				
NONE	SB-042-02	42	D	E	7	8	4			Vented hood (Laminar Bench) (soldering)				
NONE	SB-042-03	42	D		1		3			Vented hood (soldering)				
CL-101-01	SB-101-01	101	N		30		1			Spray booth (lockfoam operations)				
CL-101-01	SB-101-03	101	P		30		1			Lab hood for conformal coating of parts				
CL-101-01	SB-101-07	101	N	P	30		1			Bench spray booth (4 sections) (lockfoam operations) (no painting)				
CL-101-01	SB-101-46	101	Q		54		2			Spray booth (Aerosol Cans)				
NONE	SB-107-01	107	B		2		1			Hood used for hydraulic testing				
CL-245-01	SB-245-05	245	A		22		1			Small paint booth (Aerosol cans and grinding)				
CL-245-01	SB-245-03	245	R	T	4		1			Vented painting area (tooling only, possible maintenance)				
NONE	SC-STL-01	PW						---	---	Plantwide salt corrosion chambers				
NONE	ST-STL-D	PW						---	---	Plantwide Diesel/Fuel Oil/Jet Fuel Storage Tanks (<=10,000 gallons)				
NONE	VR-STL-01	PW						---	---	Plantwide Diesel Refueling				
WE-STL-01	WE-STL-01	PW						---	---	Plantwide welding				

**DOCUMENTS INCORPORATED BY REFERENCE**

These documents have been incorporated by reference into this permit.

- 1) None

list  
Construction  
Permits  
(see Pnts)

## II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

### I) Federally Enforceable Requirements

#### Permit Condition PW001

10 CSR 10-6.080

**Emission Standards for Hazardous Air Pollutants**

40 CFR Part 61 Subpart M

**National Emission Standard for Asbestos**

#### Emission Limitations:

- (1) Before engaging in any renovation or demolition activity that would disturb more than 260 linear feet of regulated asbestos containing material ("RACM") on pipes or 160 square feet of RACM on other building components, the permittee shall hire a certified asbestos abatement contractor to abate the RACM in the part of the facility that will be disturbed by the renovation or demolition activity.
- (2) Prior to commencement of any demolition or renovation activity at the facility, the permittee shall inspect the part of the facility that will be affected by the demolition or renovation activity for RACM.
- (3) The permittee shall require the certified asbestos abatement contractor hired to abate RACM in accordance with subsection (1) above to comply with the following:
  - (a) the work practices for asbestos emission control pursuant to 61.145(c);
  - (b) the work practices and procedures for waste disposal pursuant to 61.150; and
  - (c) the work practices for air cleaning pursuant to 61.152.

#### Record Keeping:

The permittee or its qualified asbestos abatement contractor shall keep records as required by 40 CFR 61.145(c)(7), 61.145(c)(8) and 61.150(d)(1).

#### Monitoring:

None

#### Reporting:

- (1) Notices required by 61.145(b) shall be submitted by the Missouri Certified Asbestos Abatement contractor or the permittee.
- (2) These notices do not need to be certified by a responsible official.

#### Permit Condition PW002

10 CSR 10-6.260

**Restriction of Emission of Sulfur Compounds**

#### Emission Limitations:

- (1) Section (4)
  - (a) No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those in 10 CSR 10-6.010, *Ambient Air Quality Standards*.
- (2) Section (5)

- (a) Fuel oil and coal burned at this facility must have a sulfur content of no greater than 2% from October through March and no greater than 4% for the rest of the year.
- (b) Propane and natural gas combustion have no requirements placed on them in this section.

**Record Keeping:**

The permittee shall maintain a record of the sulfur content of the fuel oil and coal as purchased. (ex. bill of lading, MSDS, or other)

**Monitoring:**

None

**Reporting:**

The permittee shall report to the St. Louis County Health Department Air Pollution Control Section at 111 S. Meramec Ave., Clayton, MO 63105 and the Missouri Department of Natural Resources Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, no later than thirty (30) days after the discovery of an exceedance of the sulfur content limit established under Emission Limitations (2)(a).  
*Mr SLP*

**Permit Condition PW003**

10 CSR 10-6.220

**Restriction of Emission of Visible Air Contaminants**

**a) Emission Limitations:**

1. The permittee shall not discharge into the ambient air from any single source of emission whatsoever any air contaminant of an opacity greater than 20%, unless it is an existing source (existing prior to March 24, 1967), which emits less than 25 lbs/hr PM.
2. If it is an existing source, which emits less than 25 lbs/hr PM, then the permittee shall not discharge into the ambient air any air contaminant of an opacity greater than 40%.
3. A source with a 20% limit may emit air contaminants with an opacity over 20%, but not greater than 40% for an aggregate length of time not to exceed six (6) minutes in any 60 minutes.
4. Where the presence of uncombined water is the only reason for failure of an emission to meet the requirements, the requirements shall not apply.

**b) Record Keeping Requirements:**

1. Monthly
  - a. The permittee shall maintain records of the visual inspections plus records of official Method 9 opacity tests, if required.

**c) Monitoring Requirements:**

1. Monthly
  - a. The permittee shall conduct visual observations.
  - b. Absence of visible emissions will demonstrate compliance.
2. At the time of each occurrence
  - a. If visible emissions are documented in one of the monthly observations, a certified opacity reader will perform a visible

In Sp

emissions determination using EPA Reference Method 9, *Visual Determination of the Opacity of Emissions from Stationary Sources* to determine whether emissions exceed the opacity limits set forth above.

d) **Reporting Requirements:**

The permittee shall report to the St. Louis County Health Department Air Pollution Control Section at 111 S. Meramec Ave., Clayton, MO 63105 and the Missouri Department of Natural Resources Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, no later than thirty (30) days after the discovery of an exceedance of the opacity limit established under i) Emission Limitations.

**Permit Condition PW004**

10 CSR 10-6.170

**Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin**

**Emission Limitation:**

- (1) No person may cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter to go beyond the premises of origin in quantities that the particulate matter:
- (a) Remains visible in the ambient air beyond the property line of origin; or
  - (b) May be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined by microscopy or other technique proven to be equally accurate and approved by the director.

**Record Keeping:**

- (1) Monthly
- (a) The permittee shall maintain records of the visual inspections.

**Monitoring:**

- (1) Monthly
- (a) The permittee shall conduct visual observations.
  - (b) Absence of visible emissions will demonstrate compliance.

**Reporting:**

The permittee shall report to the St. Louis County Health Department Air Pollution Control Section at 111 S. Meramec Ave., Clayton, MO 63105 and the Missouri Department of Natural Resources Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, no later than thirty (30) days after the discovery of any fugitive particulate matter being caused or allowed to go beyond the premises of origin, without applying reasonable control measures, in quantities that the particulate matter remains visible in the ambient air or is found on surfaces.

**Permit Condition PW005**

10 CSR 10-5.450 *Not Applicable*

**Control of VOC Emissions from Traffic Coatings**

**Emission Limitations:**

The VOC content of traffic coatings may not exceed 1.26 lbs/gallon.

**Record Keeping:**

Records (such as MSDS, purchasing records,...) showing the VOC content of the traffic coatings used will be kept.

**Monitoring:**

None

**Reporting:**

The permittee shall report to the St. Louis County Health Department Air Pollution Control Section, 111 South Meramec, Clayton, MO, 63105 no later than thirty (30) days after the discovery of any use of traffic coating that exceed the 1.26 lbs/gallons VOC content limit. *(10)*

**Permit Condition PW006**

10 CSR 10-6.250 *Not Applicable*

**Asbestos Abatement Projects - Certification, Accreditation and Business Exemption Requirements**

**Emission Limitations:**

- (1) The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250.
  - (a) An individual must receive certification from the department before that individual participates in an asbestos abatement project operating in Missouri according to section (3). This certification is annually renewable.
  - (b) Certification as an AHERA inspector, AHERA management planner and AHERA project designer apply to AHERA-related projects.

**Record Keeping:**

Any appropriate record keeping to demonstrate compliance with Certification and Accreditation standards.

**Monitoring:**

None

**Reporting:**

None

*This document is subject to federal enforcement under CAPP*

### III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

#### EU0010

#### Units With Permits, But No Other Applicable Limits

EIQ POINT NUMBER	EMISSION UNIT NUMBER	FEDERAL		DESCRIPTION  (for information only, this does not create any permit requirements)
		Requirements of the Listed Construction Permits	Obtained Under 10 CSR 10-6.060	
AS-STL-01	SB-102-02		#1207	Bench spray booth (lab) (epoxy spray) (research and development)
CC-STL-01	CC-101-14		#1711	Hood venting a drying rack
CL-022-01	SB-022-01		OP	Spray booth (vehicle maintenance)
CL-048-01	MB-048-01		#5489	Vented paint mixing hoods (2)
CL-063-01	MB-063-01		#1491	Vented paint mixing rooms (2)
DB-027-01	PI-027-01		OP	Penetrant inspection booth
DB-027-01	PI-027-02		OP	Penetrant inspection booth
MO-029-A	MO-029-01		#1087	Lead melting furnace
MO-029-A	MO-029-02		#1520	Lead melting furnace
MS-027-06	MS-027-06		#6319	Cutting fluid concentrator
NONE	IT-027-01T		OP	Immersion tank 1 in the titanium line
PT-027-06	IT-027-02A		OP	Immersion tank 2 in the aluminum line
PT-027-08A	IT-027-02P		OP	Immersion tank 2 in the plating line
NONE	IT-027-02T		OP	Immersion tank 2 in the titanium line
PT-027-08A	IT-027-03P		OP	Immersion tank 3 in the plating line
PT-027-08A	IT-027-04P		OP	Immersion tank 4 in the plating line
NONE	IT-027-05T		OP	Immersion tank 5 in the titanium line
PT-027-12	IT-027-06A		OP	Immersion tank 6 in the aluminum line
PT-027-02	IT-027-06T		#1306	Immersion tank 6 in the titanium line
NONE	IT-027-07T		OP	Immersion tank 7 in the titanium line
PT-027-01	IT-027-08T		OP	Immersion tank 8 in the titanium line
PT-027-09A	IT-027-9P		OP	Immersion tank 9 in the plating line
PT-027-01	IT-027-09T		OP	Immersion tank 9 in the titanium line
PT-027-08B	IT-027-10P		OP	Immersion tank 10 in the plating line
PT-027-05	IT-027-11A		OP	Immersion tank 11 in the aluminum line
NONE	IT-027-11T		OP	Immersion tank 11 in the titanium line
PT-027-03	IT-027-12A		OP	Immersion tank 12 in the aluminum line
PT-027-08B	IT-027-12P		OP	Immersion tank 12 in the plating line
PT-027-03	IT-027-13A		OP	Immersion tank 13 in the aluminum line
NONE	IT-027-17P		OP	Immersion tank 17 in the plating line
PT-027-08B	IT-027-22P		OP	Immersion tank 22 in the plating line
NONE	IT-027-24P		OP	

EIQ POINT NUMBER	EMISSION UNIT NUMBER	FEDERAL			DESCRIPTION  (for information only, this does not create any permit requirements)
		Obtained Under 10 CFR 10- 6.060	Requirements of the Listed Construction Permits		
PT-027-08B	IT-027-27P	OP			Immersion tank 27A in the plating line
PT-027-10	IT-027-28P	OP			Immersion tank 28 in the plating line
NONE	IT-027-30P	OP			Immersion tank 30 in the plating line
NONE	IT-027-32P	OP			Immersion tank 32 in the plating line
PT-027-10	IT-027-33P	OP			Immersion tank 33 in the plating line
PT-027-10	IT-027-34P	OP			Immersion tank 34 in the plating line
PT-027-10	IT-027-35P	OP			Immersion tank 35 in the plating line
NONE	IT-027-36P	OP			Immersion tank 36 in the plating line
NONE	IT-027-37P	OP			Immersion tank 37 in the plating line
PT-027-10	IT-027-38P	OP			Immersion tank 38 in the plating line
NONE	IT-027-43P	OP			Immersion tank 43 in the plating line
NONE	IT-027-44P	OP			Immersion tank 44 in the plating line
NONE	IT-027-46P	OP			Immersion tank 46 in the plating line
NONE	IT-027-47P	OP			Immersion tank 47 in the plating line
PT-027-09B	IT-027-49P	OP			Immersion tank 49 in the plating line
NONE	IT-027-50P	OP			Immersion tank 50 in the plating line
NONE	IT-027-EA	OP			Immersion tank E in the aluminum line
NONE	IT-027-GA	OP			Immersion tank G in the aluminum line
NONE	IT-027-HA	OP			Immersion tank H in the aluminum line
NONE	IT-027-JA	#0950			Immersion tank J in the aluminum line
NONE	IT-027-KA	#0919			Immersion tank K in the aluminum line
PT-027-07	IT-027-MA	OP			Immersion tank M in the aluminum line
PT-029A-01	IT-029A-02	#6260			Immersion tank 2 in the tank line
PT-029A-01	IT-029A-03	#6260			Immersion tank 3 in the tank line
PT-029A-01	IT-029A-04	#6260			Immersion tank 4 in the tank line
PT-029A-01	IT-029A-05	#6260			Immersion tank 5 in the tank line
PT-029A-01	IT-029A-06	#6260			Immersion tank 6 in the tank line
PT-029A-01	IT-029A-10	#6260			Immersion tank 10 in the tank line
PT-029A-01	IT-029A-11	#6260			Immersion tank 11 in the tank line
PT-029A-01	IT-029A-14	#6260			Immersion tank 14 in the tank line
PT-029A-01	IT-029A-15	#6260			Immersion tank 15 in the tank line
PT-029A-01	IT-029A-16	#6260			Immersion tank 16 in the tank line
PT-029A-01	IT-029A-17	#6260			Immersion tank 17 in the tank line
PT-029A-01	IT-029A-18	#6260			Immersion tank 18 in the tank line
NONE	IT-051-01A	OP			Immersion tank 1 in the aluminum line
NONE	IT-051-01T	OP			Immersion tank 1 in the titanium line
NONE	IT-051-02T	OP			Immersion tank 2 in the titanium line
PT-051-02	IT-051-03T	OP			Immersion tank 3 in the titanium line
NONE	IT-051-04A	OP			Immersion tank 4 in the aluminum line
NONE	IT-051-04T	OP			Immersion tank 4 in the titanium line
PT-051-02	IT-051-05T	OP			Immersion tank 5 in the titanium line
NONE	IT-051-06A	OP			Immersion tank 6 in the aluminum line
PT-101-04	IT-101-01N	OP			Immersion tank (Desmut) in the nameplate line
PT-101-04	IT-101-02N	OP			Immersion tank (Strip) in the nameplate line
PT-101-04	IT-101-03N	OP			Immersion tank (Water) in the nameplate line

EIQ POINT NUMBER	EMISSION UNIT NUMBER	FEDERAL		DESCRIPTION (for information only, this does not create any permit requirements)
		Obtained Under 10 CSR 10- 6.060	Requirements of the Listed Construction Permits	
PT-101-04	IT-101-04N	OP		Immersion tanks (hand tanks) in the nameplate line
PT-101-01	IT-101-05A	OP		Immersion tank 5 in the aluminum line
PT-101-02	IT-101-06A	#1303		Immersion tank 6 in the aluminum line
PT-101-03	IT-101-07A	#1304		Immersion tank 7 in the aluminum line
PT-101-04	DT-101-01	OP		Dip tank used for developing (Stoddard solvent)

OP = Unit is covered by an operating permit, but the construction permit was obtained prior to the effective date of 10 CSR 10-6.060 and was, therefore, extinguished by the issuance of the operating permit.

## COMPLIANCE REQUIREMENTS

### I) Federally Enforceable Requirements

#### **Permit Condition EU0010-001**

10 CSR 10-6.060

Air Construction Permits

- 1) Requirements of the Construction Permit Numbers: #'s 1207, 1711, 1491, 1087, 1520, 1306, 1303, 1304, 0919, 0950, 6319 and 6260

Emission Limitations:

None

Verify: are there no requirements from these construction permits?

Record Keeping:

None

Monitoring:

None

Reporting:

None

- 2) Requirements of the Construction Permit Number: #5489 - Paint Mixing Hoods (2)

Emission Limitations:

Emissions from painting operations covered by operating permit 3221, 3275, 3276, 3277, 5489, 6324, and 6447 shall be limited to 18 tons of VOC/year, 18 tons of any combination of HAPs/year or 10 tons of any individual HAP/year within a twelve month rolling period.

**Record Keeping:**

Permittee shall maintain monthly records of all materials utilized in the paint booths, including the amounts and the content of VOCs and HAPs in each material. These records shall be maintained, on site, for the latest sixty (60) month period.

**Monitoring:**

None

**Reporting:**

Should the records indicate that a violation of the emission limitation listed above has occurred, the permittee shall notify the St. Louis County Health Department Air Pollution Control Section at 111 S. Meramec Ave., Clayton, MO 63105 and the Missouri Department of Natural Resources Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, no later than the next day.

This notification is not required to be certified by a responsible official.

(see general condition)  
*(yes it is)*

**EU0020**

Miscellaneous Specialty Coating Emission Units

EIQ POINT NUMBER	EMISSION UNIT NUMBER	STATE/LOCAL ONLY		DESCRIPTION (for information only, this does not create any permit requirements)
		5.295: Control of Emissions From Aerospace Manufacture and Rework Facilities	1) 10 CSR 10-	
AS-STL-01	AS-STL-01	X		Plantwide adhesive/sealant usage
AS-STL-01	AS-101-01	X		Vented room (adhesive/sealant application)
AS-STL-01	AS-101-02	X		Vented room (adhesive/sealant application)
AS-STL-01	AS-101-03	X		Vented hood (adhesive/sealant application)
AS-STL-01	AS-101-04	X		Two vented hoods (adhesive/sealant applications)
BF-STL-02	VS-221-01	X		Vented bench (soldering & solvents)
BF-STL-02	VS-245-01	X		Vented solvent storage area
BF-STL-02	BF-STL-02	X		Other miscellaneous plantwide solvent building fugitives

X = Applicable

NA = Not Applicable

**COMPLIANCE REQUIREMENTS**

I) **State/Local Only Enforceable Requirements**

**Permit Condition EU0020-001**

10 CSR 10-5.295

**Control of Emissions From Aerospace Manufacture and Rework Facilities**

**Emission Limitations:**

- (1) Specialty coatings shall be limited to a VOC content as expressed in Table I of this rule (See Appendix 1).
- (2) Monthly averaging within specialty coating type may be used.

**Record Keeping:**

- (1) The permittee shall maintain a list of coatings in use with category and VOC content as applied.
- (2) The permittee shall record coating usage on a monthly basis.
- (3) The permittee shall maintain records of monthly volume-weighted average VOC content for each regulated coating type included in averaging for coating operations that achieve compliance through coating averaging under this rule.

**Monitoring:**

None

**Reporting:**

The permittee shall report to the St. Louis County Health Department Air Pollution Control Section at 111 S. Meramec Ave., Clayton, MO 63105 and the Missouri Department of Natural Resources Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, no later than thirty (30) days after the discovery that the VOC content limit set under Emission Limitations is exceeded (see Appendix 1).

### EU0030

#### Handwipe Solvent Building Fugitives

EIQ POINT NUMBER	EMISSION UNIT NUMBER	FEDERAL	STATE/ LOCAL	<b>DESCRIPTION</b> (for information only, this does not create any permit requirements)
BF-STL-03	BF-STL-03	X	X	Handwipe solvent building fugitives in buildings other than buildings with their own point
BF-002-03	BF-002-03	X	X	Handwipe solvent building fugitives in building 2
BF-027-03	BF-027-03	X	X	Handwipe solvent building fugitives in building 27
BF-029-03	BF-029-03	X	X	Handwipe solvent building fugitives in building 29 and 29A
BF-048-03	BF-048-03	X	X	Handwipe solvent building fugitives in building 48
BF-066-03	BF-066-03	X	X	Handwipe solvent building fugitives in the 60s buildings
BF-101-03	BF-101-03	X	X	Handwipe solvent building fugitives in building 101
BF-102-03	BF-102-03	X	X	Handwipe solvent building fugitives in building 102
BF-245-03	BF-245-03	X	X	Handwipe solvent building fugitives in building 245

X = Applicable

NA = Not Applicable

### COMPLIANCE REQUIREMENTS

#### I) Federally Enforceable Requirements

*not in SIP*

#### Permit Condition EU0030-001

10 CSR 10-6.075 and 40 CFR Part 63, Subpart GG

**Aerospace Manufacturing and Rework Facilities- Handwipe Solvent Cleaning**

##### Emission Limitations:

###### (1) Housekeeping measures

*(work practice standards)*

- (a) Workers shall place cleaning solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in aerospace production in closed containers (such as plastic bags, dome top cans or step cans with the lids down) before leaving their work area. Ensure that these bags and containers are kept closed at all times except when depositing or removing

these materials from the container. Use bags and containers of such design so as to contain, as practicable, the vapors of the cleaning solvent. Cotton-tipped swabs or equivalent used for very small cleaning are exempt from this requirement.

- (b) Store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers (such as flip-top or squirt bottles with small openings, safety cans or drums with closed bungs).
  - (c) Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.
  - (d) Activities not conforming to the above housekeeping measures are deemed in compliance if corrected within 24 hours, unless they are observed on three (3) successive inspections.
- (2) Hand-wipe cleaning
- (a) Each owner or operator of a new or existing affected hand-wipe cleaning operation covered by 40 CFR Part 63, Subpart GG, shall use cleaning solvents that meet one of the following requirements:
    1. Meet (1) one of the composition requirements in section 63.744 (Table 1) of the Aerospace NESHAP.
    2. Have a composite vapor pressure of 45 mm Hg or less at 20° Celsius. (68° Fahrenheit)
    3. Demonstrate that the volume of hand-wipe cleaning solvents used in affected cleaning operations has been reduced by at least 60% from a baseline adjusted for production. The baseline shall be established as part of an approved alternative plan administered by the State.
  - (b) The following cleaning operations are exempt from the requirements of (2) Hand-wipe cleaning:
    1. Cleaning during the manufacture, assembly, installation, maintenance, or testing of components of breathing oxygen systems that are exposed to the breathing oxygen;
    2. Cleaning during the manufacture, assembly, installation, maintenance or testing of parts, subassemblies, or assemblies that are exposed to strong oxidizers or reducers (e.g., nitrogen tetroxide, liquid oxygen, hydrazine, etc.);
    3. Cleaning and surface activation prior to adhesive bonding;
    4. Cleaning of electronic parts and assemblies containing electronic parts;
    5. Cleaning of aircraft and ground support equipment fluid systems that are exposed to the fluid, including air-to air heat exchangers and hydraulic fluid systems;
    6. Cleaning of fuel cells, fuel tanks, and confined spaces;
    7. Surface cleaning of solar cells, coated optics, and thermal control surfaces;
    8. Cleaning during fabrication, assembly, installation, and maintenance of upholstery, curtains, carpet, and other textile materials used in the interior of the aircraft;